

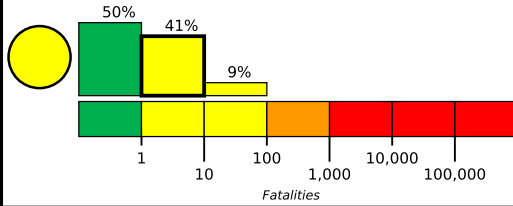
M 5.3, 3km NNW of Magoula, Greece

Origin Time: 2019-07-19 11:13:16 UTC (Fri 14:13:16 local)

Location: 38.1153° N 23.5054° E Depth: 10.0 km

Created: 2 days, 6 hours after earthquake

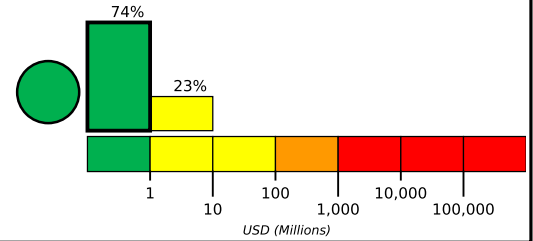
Estimated Fatalities



Yellow alert for shaking-related fatalities. Some casualties are possible and the impact should be relatively localized. Past events with this alert level have required a local or regional level response.

Green alert for economic losses. There is a low likelihood of damage.

Estimated Economic Losses

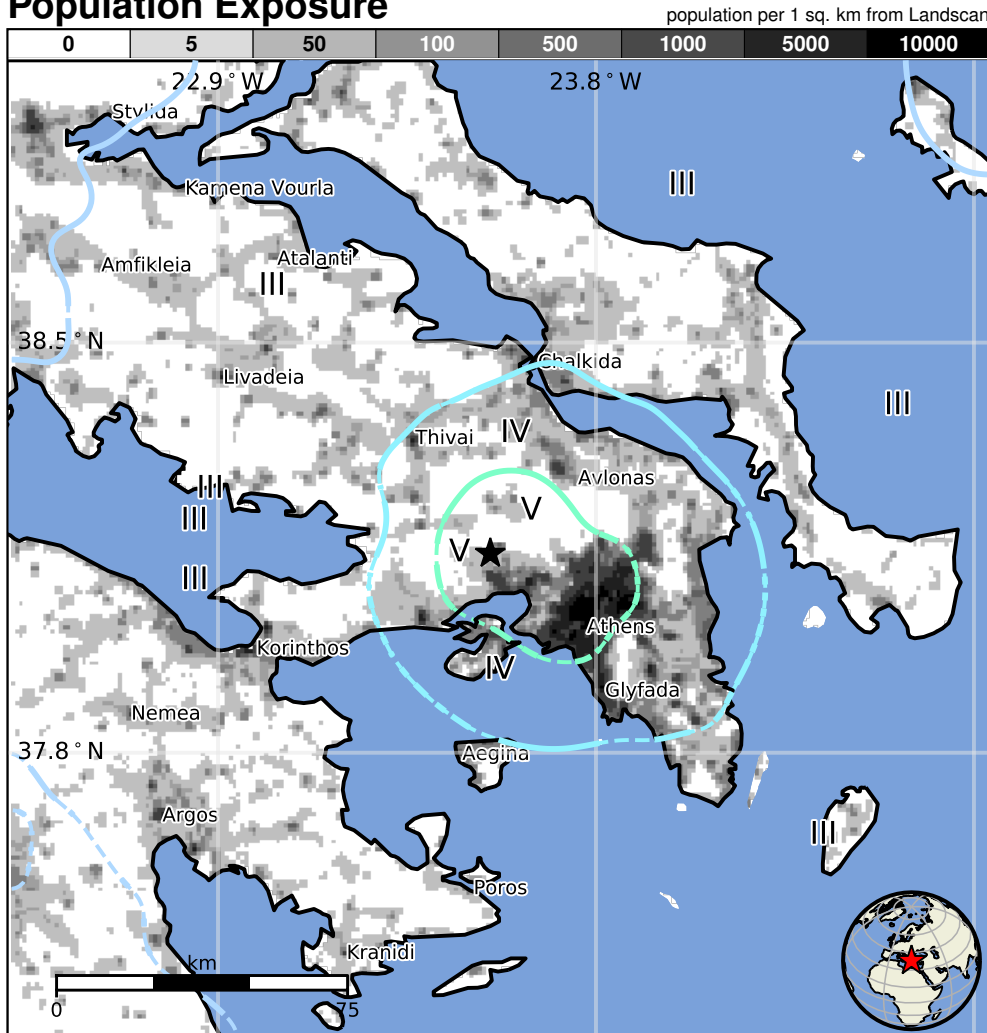


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)	—*	687k	783k	2,489k	469k	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY	I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING	Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure



Structures

Overall, the population in this region resides in structures that are a mix of vulnerable and earthquake resistant construction. The predominant vulnerable building types are rubble/field stone with lime and unknown/miscellaneous types construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1974-02-01	331	5.4	VII(2k)	2
1986-09-13	165	5.9	VIII(4k)	21
1999-09-07	10	6.0	IX(10k)	143

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

Selected City Exposure

from GeoNames.org

MMI	City	Population
VI	Ilion	85k
VI	Peristeri	140k
VI	Agioi Anargyroi	34k
VI	Chaidari	46k
VI	Magoula	5k
VI	Agios Ioannis Rentis	16k
V	Acharnes	99k
V	Piraeus	164k
V	Kallithea	101k
V	Athens	664k
II	Lamia	52k

PAGER content is automatically generated, and only considers losses due to structural damage.

Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us70004nt3#pager>

bold cities appear on map.

(k = x1000)

Event ID: us70004nt3